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| | INFORM | | report | |
| COUNTRY | USSR (Latvia) | CONFIDENTIAL | DATE DISTR. 25 May 1 | 948 |
| SUBJECT | Superphosphate Factor | v in Riga | NO. OF PAGES 2 | |
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| DATE OF THE | | | SUPPLEMENT TO REPORT NO. | 50X1-HUM |
| THIS DOCUMENT CONTAIN OF THE UNITED STATES OF ITS CONTENTS IN AN | 45 INFORMATION AFFECTING THE NATIONAL DEFENSE VITHIN THE BEARING OF THE SEPIONAGE ACT AS AMERICO. ITS TRADSMISSION OF THE REVELATION V MANKER TO AM UNIVARIENT DEFINENT IS FRO- | THIS IS UNEVALUATED | D INFORMATION FOR THE R | ESEARCH |
| OF 118 CONTENTS IN AN HIDITED BY LAW, REP EVEN, INFORMATION CO. AS DEFINED NECESSARY | us information affecting the matidial defense within the beating of the septomage act as agenced. Its traisfussion or the revention it samples to an unauthorized person is pro- iduation of this form is promised, how- taining in solv of the form way be utilized by the receiving agency. | USE OF TRAIN | NED INTELLIGENCE ANALYST | 50X1-HUM |
| 7 Marie Paris and Control of the Con | | | | |
| | | | | |
| | Local Industries of the war and produced superpurposes. At the time buildings were not blowere either destroyed covernment resolved to | o Latvian SSR. The faphosphate fertilizer f of the departure of two up but much equipme or taken away. After rebuild the factory a construction was complement into production on because of the shorta the production of sulseveral months; in fac | nd to increase its outputed at the end of 1946 a vory small scale. go of specialists, phuric acid. Delay in | 18 |
| 2. | of Caucasian andesite | ory. A new system of a reduced normal limit a eliminated entirely duction of sulphuric as an acid-proof materation for a critical materation. | coolers for acids has ("norma") of cooling from all equipment for cid by the substitution ial. atorial is noteworthy. | 50X1-HU |
| 3. | Production: In 1947, to superphosphate. When view 180,000 - 190,000 tons | orking at full capacitors for armum. However. | ty, it should produce | |
| | in December 1947 and if it continues to be good a considerably large 150,000 tone of superational states. | good throughout 1948, ger quantity in 1948. | the factory will pro- | |
| * | in operation. The Febrahout 130 tens of sulph | of sulphuric acid, with uary 1948 production ouris sold about to yield about the production of the country of t | th five pyrite furnaces of superphesphate used out 450 tons of super- | |
| | phosphate every 24 hour pumps, ventilators, and | 's. Some mechanical de | efects occurred in the | |
| 4. | are brought from the to | wn of Kirovograd (ex-1 | uction of sulphuric acid Kalata) in Sverdlovsk | 50X1-HU |
| | Oblast. As raw materia CLASSIFICATION SE | I for the production (CRET CONTROL-U.S. OFF: | of superphosphate, the | 50X1-HU 50X1-HU |
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factory uses Khibin apatite concentrate from the flotation plant of the Khibin Apatite Combine at Khibin, on the Kola Peninsula. This flotation concentrate contains 35 - 40% of P₂O₅. Nitric acid ("melanzh" melange) is received from various chemical factories in the USSR. The first consignments came from factories in Central Russia. Caucasian andesite was and still is being received from the Arsha village area on the Georgian Military Road, in the Mount Kazbek area, 50 kms. from the town of Dzaudzhikau (ex-Ordzhonikidze, ex-Vladikavkaz)(43°O2'N, 44°41°E).

- Plans: In the near future, it is intended to produce tricalcium phosphate on a commercial scale at the factory by means of the elimination of fluoride from superphosphate. Tricalcium is used as fodder. Apatite has a considerable content of fluoride which must be eliminated; the method of elimination has been worked out by the Scientific Research Institute for Fertilizers and Insecto-Fungicides (Nauchno-Issledovatelski Institut po Udobreniyam i Insektofungisidam or HULF). Fluoride is eliminated by heating superphosphate to a high temperature in a flow of water steam.
- 6. Personnel: The factory director is V. N. Izvekov, who holds the degree of candidate of technical sciences.

 estimates the total number of personnel at the factory as about 900 men.

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